

Table S1- Amino acid changes determined by derived alleles present in extant humans and Denisova

Genes	Description	Human (derived)					Chimp	Neand.	Denisova
		Base	AA Change	Chrom.	Strand	Position	Base	Base	Base
<i>ACCN4</i>	Amiloride-sensitive cation channel 4, pituitary	T	V/A	2	+	220087788	C	C	T
<i>ARSF</i>	Arylsulfatase F	A	I/V	X	+	3012475	G	G	A
<i>CDCA2</i>	Cell division cycle associated 2	A	I/V	8	+	25416950	G	G	A
<i>CF170</i>	Chromosome 6 open reading frame 170	T	S/C	6	+	121644484	A	A	T
<i>C12orf66</i>	Chromosome 12 open reading frame 66	C	V/L	12	+	62873951	G	G	C
<i>EMIL2</i>	Elastin microfibril interfacier 2	G	R/K	18	+	2880589	A	A	G
<i>EYA2</i>	Eyes absent homolog 2 (Drosophila)	T	S/P	20	+	45078304	C	C	T
<i>FSTL4</i>	Follistatin-like 4	T	T/A	5	+	132562844	C	C	T
<i>KRT16</i>	Keratin 16	T	T/A	17	+	37020864	C	T	T
<i>LIMS2</i>	LIM and senescent cell antigen-like domains 2	T	T/A	2	+	128113346	C	C	T
<i>NSUN3</i>	NOP2/Sun domain family, member 3	C	S/F	3	+	95285751	T	T	C
<i>OR2AT4</i>	Olfactory receptor, family 2, subfamily AT, member 4	A	V/A	11	+	74477736	G	G	A
<i>OR52W1</i>	Olfactory receptor, family 52, subfamily W, member 1	C	P/L	11	+	6177181	T	T	C
<i>OR4D9</i>	Olfactory receptor, family 4, subfamily D, member 9	G	R/K	11	+	59039869	A	A	G
<i>DCHS1</i>	Dachsous 1 (Drosophila)	C	E/Q	11	+	6611387	G	G	C
<i>PEG3</i>	Paternally expressed 3	T	S/G	19	+	62017061	C	C	T
<i>PHLP</i>	Phosducin-like	T	K/R	9	+	124622444	C	C	T
<i>RGS16</i>	Regulator of G-protein signaling 16	T	D/A	1	+	180836069	G	G	T
<i>RNAS7</i>	Ribonuclease, RNase A family, 7	A	M/V	14	+	20581121	G	G	A
<i>RPTN</i>	Repetin	A	*/R	1	+	150393846	G	G	A
<i>RPTN</i>	Repetin	T	K/E	1	+	150393996	C	C	T
<i>SLC36A4</i>	Solute carrier family 36	T	H/R	11	+	92535568	C	C	T
<i>SNTG1</i>	Syntrophin, gamma 1	C	T/S	8	+	51628204	G	G	C
<i>STEA1</i>	Six transmembrane epithelial antigen of the prostate 1	G	C/S	7	+	89631971	C	C	G
<i>TRPM5</i>	Transient receptor potential cation channel, subfamily M, member 5	T	I/V	11	+	2383887	C	T	T
<i>ZFY26</i>	Zinc finger, FYVE domain containing 26	T	H/R	14	+	67344044	C	C	T